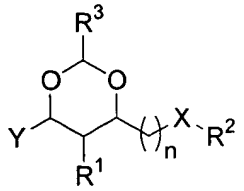
ABSTRACT

In recognition of the need to develop novel therapeutic agents and efficient methods for the synthesis thereof, the present invention provides novel compounds of general formula **(I)**:



(I)

and pharmaceutically acceptable derivatives thereof, wherein R^1, R^2, R^3, n, X and Y are as defined herein. The present invention also provides pharmaceutical compositions comprising a compound of formula **(I)** and a pharmaceutically acceptable carrier. The present invention further provides compounds capable of inhibiting histone deacetylatase activity and methods for treating disorders regulated by histone deacetylase activity (*e.g.*, cancer and protozoal infections) comprising administering a therapeutically effective amount of a compound of formula **(I)** to a subject in need thereof. The present invention additionally provides methods for modulating the glucose-sensitive subset of genes downstream of Ure2p. The present invention also provides methods for preparing compounds of the invention.